APPLIED MATHEMATICS AND COMPUTATION

VOLUME 60

E. M. ELABBASY
Oscillatory Behavior of Solutions of Forced Second Order Differential Equations with Alternating Coefficients 1

MARK FINKELSTEIN AND STEPHEN SCHEINBERG
The Storage Complexity of Some Estimators of the Median 15

C. MUSÈS
Hypernumbers Applied or How They Interface with the Physical World 25

SAID FARIABI AND BETTY TRAVIS
On Conjugate Points for Second Order Systems 37

NIKOLAOS S. PAPAGEORIOU
Sensitivity Analysis for a Continuous Time Infinite Horizon Growth Model 43

SHAO-MING WANG
A Cubic Structure on an Arbitrary Quadrilateral 55

B. MALAKOOTI, LUCIEN DUCKSTEIN, AND A. RAVINDRAN
Screening Discrete Alternatives with Imprecisely Assessed Additive Multi-Attribute Functions 69

SÁNDOR MOLNÁR AND FERENC SZIGETI
On "Verticum"-Type Linear Systems with Time-Dependent Linkage 89

LOU FA-LONG AND LI YAN-DA
Neural Network for the Exact RLS Adaptive Algorithm 103

E. NAVARRO, M. V. FERRER, AND L. JÓDAR
Closed Form General Solution of Nonhomogeneous Implicit Higher Order Difference Systems 113

MICHAEL A. GOLBERG AND C. S. CHEN
On a Method of Atkinson for Evaluating Domain Integrals in the Boundary Element Method 125

HAN BO, SHAO JI-QUN, AND GUO BAO-QI
A Widely Convergent Method for Determining the Distributed Parameters of an Elliptical Equation 139

A. EL-NAHHAS
Stability of a Third-Order Differential Equation of Retarded Type 147

GUAN ZHIHONG, WEN XIANGCAI, AND LIU YONGQING
Variation of the Parameters Formula and the Problem of BIBO for Singular Measure Differential Systems with Impulse Effect 153

RICHARD H. WARREN
Special Cases of the Traveling Salesman Problem 171

CHING L. CHANG, XIAOQING XIANG, AND JIANSHI LI
An Analysis of the Eddy Current Problem by the Least-Squares Finite Element in 2-D 179

PETER Y. H. PANG AND RAVI P. AGARWAL
On Discrete Boundary Value Problems Arising in Transport Phenomena 193

XIAODONG LIN AND XINZHI LIU
Qualitative Study of an HIV Transmission Model among Intravenous Drug Users 215

PAOLO GHELARDONI AND PIETRO MARZULLI
Error Estimates for Shooting Methods in Two-Point Boundary Value Problems for Second-Order Equations 237

V. LAKSHMIKANTHAM, S. K. SEN, V. C. VENKAIAH, AND S. SIVASUNDARAM
Stabilizing Trench's Algorithm to Invert Symmetric Toeplitz Matrices 249

D. G. LAINIOTIS, N. D. ASSIMAKIS, AND S. K. KATSIKAS
New Doubling Algorithm for the Discrete Periodic Riccati Equation 265

S. M. SHAHRUZ AND A. L. SCHWARTZ
An Approximate Solution for Linear Boundary-Value Problems with Slowly Varying Coefficients 285

OLGIERD A. PALUSINSKI AND FERENC SZIDAROVSZKY
A Chebyshev Expansion Method for Solving Nonlinear Circuit Equations 299

VOLUME CONTENTS